

## ABSTRACT

The present invention provides methods for identifying peptides in a mammalian Tsg101 protein that binds to the PTAPP motif or L domain of human immunodeficiency virus type I (HIV-1). Such peptides can be used to inhibit Tsg101-HIV Gag binding, and is therefore effective in reducing HIV particle production. The invention also provides the  
5 peptides identified by the method of the invention and to method of using such peptides for treating HIV infection.

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